VIBRATIONAL SPECTROSCOPY, VOL. 5 (1993)

AUTHOR INDEX

Abramczyk, H.
Infrared absorption in hydrogen-bonded complexes and absorption of an excess electron in hydrogen-bonded solvents 109
Alkenings, B.
—, Bettermann, H., Dasting, I. and Schroers, H.-J.
Analysis of reaction kinetics by Fourier transform infrared spectrometry. Laser-induced photochemistry of 1,2-benzoquinones 43
Anderson, M.R., see Gatin, M. 255
Antonova, K.
—, Kirov, N., Tenev, T., Zartov, G., Marshall, J., Maud, J. and Hepburn, A.
Infrared and surface electromagnetic wave spectroscopy of poly[methyl-3-(9-carbazolyl)propyl]siloxane 129
Arnold, G., see Hirsch, H. 119

Balcytis, G.A., see Silin, V.I. 133
Bandekar, J.
Amide modes of reverse turns. Review 143
Baran, E.J., see Santi, E. 285
Ben Altabef, A., see Varetti, E.L. 219
Benítez, P.J., see Carrazán, S.R.G. 295
Bennett, R., see Hendra, P.J. 311
Bettermann, H., see Alkenings, B. 43
Bordiga, S.
—, Scarano, D., Spoto, G., Zecchina, A., Lamberti, C. and Otero Areán, C.
Infrared study of carbon monoxide adsorption at 77 K on faujasites and ZSM-5 zeolites 69
Brandán, S.A., see Varetti, E.L. 219
Bringmann, G., see Grimm, T. 181
Brockner, W., see Ystenes, M. 195
Busse, H., see Grimm, T. 181

Carrazán, S.R.G.
—, Benítez, P.J. and Rives, V.
Surface vanadia species in V_2O_5–TiO_2 systems prepared by mechanically mixing: a Fourier transform infrared spectroscopy study 295
Christy, A.A.
—, Liang, Y.-Z., Hui, C., Kvalheim, O.M. and Velapoldi, R.A.
Effect of particle size on diffuse reflectance infrared spectra of polystyrene spheres 233
Czernuszewicz, R.S., see Meloni, P.A. 205

Dasting, I., see Alkenings, B. 43
De Almeida, W.B.
— and O'Malley, P.J.
Ab initio infrared and Raman spectra of the $H_3SiO_4^-$ monomeric anionic species 325

Ellebracht, A., see Grimm, T. 181
Etcheverry, S.B., see Santi, E. 285

Fromherz, T., see Krenn, H. 51

Gábor, M., see Kristóf, J. 61
Ganz, M.
—, Kiefer, W., Leuchs, M., Materny, A., Strempel, J. and Vogt, P.
Linear and non-linear resonance Raman scattering from simple systems. Review 1
Gatin, M.
— and Anderson, M.R.
Application of polarization modulation Fourier transform infrared spectroscopy for the in situ study of spontaneously adsorbed monolayers 255
Ghaziaskar, H.S.
—, Mullett, W.M. and Lai, E.P.C.
Stimulated Raman scattering activity of organic compounds 337
González Rodríguez, V., see Paseiro Losada, P. 245
Grimm, T.
—, Ellebracht, A., Kiefer, W., Bringmann, G. and Busse, H.
Vibrational studies in a benzonaphthopyrone: Raman and infrared spectra, normal coordinate analysis and semiempirical calculations 181

Handke, M.
— and Mozgawa, W.
Vibrational spectroscopy of the amorphous silicates 75
Happoya, A., see Suzuki, E. 353
Hendra, P.J.
Industrial value of Fourier transform Raman spectroscopy 25
Hendra, P.J.
—, Pellow-Jarman, M.V. and Bennett, R.
Fourier transform Raman spectroscopy with 780 nm Ti:Sapphire excitation 311

Hepburn, A., see Antonova, K. 129
Hirsch, H.
— and Arnold, G.
Fourier transform spectroscopy in remote sensing of solid planetary surfaces 119
Horváth, E., see Kristóf, J. 61
Hui, C., see Christy, A.A. 233

Ivanov, Y.D.
—, Makarov, S.G. and Uvarov, V.Y.
Resolution of overlapped spectral bands by the Monte Carlo method 175

Jancsó, G., see Tóth, K. 125

Kellner, R., see Rosenberg, E. 33
Kiefer, W., see Ganz, M. 1
Kiefer, W., see Grimm, T. 181
Kirov, N., see Antonova, K. 129
Korte, E.H., see Röseler, A. 275
Kremer, E., see Santi, E. 285
Krenn, H.
—, Yuan, S. and Fromherz, T.
Infrared spectroscopy on artificially structured semiconductors 51
Kristóf, J.
—, Mink, J., Horváth, E. and Gábor, M.
Intercalation study of clay minerals by Fourier transform infrared spectrometry 61
Kulys, J., see Silin, V.I. 345
Kvalheim, O.M., see Christy, A.A. 233

Lai, E.P.C., see Ghaziaskar, H.S. 337
Lamberti, C., see Bordiga, S. 69
Leuchs, M., see Ganz, M. 1
Liang, Y.-Z., see Christy, A.A. 233
Linert, W.
—, Weinberger, P., Ondrejovic, G. and Makanova, D.
Vibrational spectroscopy to analyze peripheral isomerism in tetranuclear mixed halide copper(II)-complexes 101

Makanova, D., see Linert, W. 101
Makarov, S.G., see Ivanov, Y.D. 175
Marshall, J., see Antonova, K. 129
Mas Carbonell, C.
— and Otero Areán, C.
Infrared studies of the interaction of chromium hexacarbonyl and molybdenum hexacarbonyl with high-surface-area spinel 215
Materny, A., see Ganz, M. 1
Maud, J., see Antonova, K. 129
Meloni, P.A.
— and Czernuszewicz, R.S.
Complexation of hexavalent chromium to glutathione from Raman spectroscopy 205
Menzel, F., see Ystenes, M. 195
Mink, J., see Kristóf, J. 61
Mozgawa, W., see Handke, M. 75
Mullett, W.M., see Ghaziaskar, H.S. 337

Nauer, G.E., see Trettenhahn, G.L.J. 85
Neckel, A., see Trettenhahn, G.L.J. 85

O'Malley, P.J., see De Almeida, W.B. 325
Ondrejovic, G., see Linert, W. 101
Otero Areán, C., see Bordiga, S. 69
Otero Areán, C., see Mas Carbonell, C. 215

Paseiro Losada, P.
—, Simal Lozano, J., González Rodríguez, V. and Simal Gándara, J.
Determination of total oil in petroleum tanker ballast water by zeroth-, first- and second-derivative infrared spectrophotometry and least-squares curve fitting 245
Pellow-Jarman, M.V., see Hendra, P.J. 311
Pyo, D.
Expert system approach for spectra–structure correlation for vapor-phase infrared spectra 263

Reeves III, J.B.
Infrared spectroscopic studies on forage and by-product fibre fractions and lignin determination residues 303
Reins, J., see Röseler, A. 275
Rives, V., see Carrazán, S.R.G. 295
Röseler, A.
—, Korte, E.H. and Reins, J.
Applications of photometric ellipsometry in infrared spectroscopy 275
Rosenberg, E.
— and Kellner, R.
Flow-injection analysis with Fourier transform infrared spectrometric detection: a potential tool for the analysis in complex matrices 33

Santi, E.
—, Torre, M.H., Kremer, E., Etcheverry, S.B. and Baran, E.J.
Vibrational spectra of the copper(II) and nickel(II) complexes of piroxicam 285
Scarano, D., see Bordiga, S. 69
Schroers, H.-J., see Alkenings, B. 43
Silin, V.I.
—, Balcytis, G.A., Zhizhin, G.N. and Yakovlev, V.A.
Application of surface electromagnetic wave and surface plasmon techniques in a protein adsorption study and sensor construction 133
Silin, V.I.
—, Talaikyte, Z. and Kulys, J.
Surface-enhanced resonance Raman spectroscopy of microperoxidases and horseradish peroxidase adsorbed on silver hydrosol 345
Simal Gándara, J., see Paseiro Losada, P. 245
Simal Lozano, J., see Paseiro Losada, P. 245
Spoto, G., see Bordiga, S. 69

Strempel, J., see Ganz, M. 1
Suzuki, E.
—, Watanabe, O., Happoya, A. and Watari, E.
Photolysis of 2-methylthietane and 2,4-dimethylthietane in argon matrices: matrix infrared spectra of thioacetaldehyde 353

Talaikyte, Z., see Silin, V.I. 345
Tenev, T., see Antonova, K. 129
Torre, M.H., see Santi, E. 285
Tóth, K.
— and Jancsó, G.
Vapour–liquid frequency shift of the CH stretching vibration of chloroform and intermolecular potentials 125
Trettenhahn, G.L.J.
—, Nauer, G.E. and Neckel, A.
Vibrational spectroscopy on the PbO–$PbSO_4$ system and some related compounds. Part 1. Fundamentals, infrared and Raman spectroscopy 85

Uvarov, V.Y., see Ivanov, Y.D. 175

Varetti, E.L.
—, Brandán, S.A. and Ben Altabef, A.
Electronic and Fourier transform infrared and Raman spectra of chromyl nitrate, $CrO_2(NO_3)_2$ 219
Velapoldi, R.A., see Christy, A.A. 233
Vogt, P., see Ganz, M. 1
Vrolix, E.
— and Zeegers-Huyskens, T.
Infrared spectrometric study of hydrogen-bonded complexes involving 1,3,7,9-tetramethyluric acid 227

Watanabe, O., see Suzuki, E. 353
Watari, E., see Suzuki, E. 353
Weinberger, P., see Linert, W. 101

Yakovlev, V.A., see Silin, V.I. 133
Ystenes, M.
—, Brockner, W. and Menzel, F.
Scaled quantum mechanical (SQM) calculations and vibrational analyses of the cage-like molecules P_4S_3, As_4Se_3, P_4Se_3, As_4S_3, and PAs_3S_3 195
Yuan, S., see Krenn, H. 51

Zartov, G., see Antonova, K. 129
Zecchina, A., see Bordiga, S. 69
Zeegers-Huyskens, T., see Vrolix, E. 227
Zhizhin, G.N., see Silin, V.I. 133